

DPM 5514

AUG 28 1980

MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

FEB 09 1982

DATE OF PREP

JULY 30, 1980

Coating, Screen Process, Polyurethane

Section I

MANUFACTURER'S NAME BOSTIK WEST, DIV. OF USM CORPORATION, AN EMHART UNIT

STREET ADDRESS 20846 So. Normandie Ave. CITY, STATE, AND ZIP CODE Torrance, Ca. 90502

EMERGENCY TELEPHONE NO. (213) 320-6800

PRODUCT CLASS ALIPHATIC POLYURETHANE BASE

MANUFACTURERS CODE IDENTIFICATION 643-7-5 S.S.

Catalyst: CA-110

TRADE NAME BOSTIK

Mix Ratio: 100 parts 643-7-5SS (Base)
to 34.1 parts CA-110 by weight

Section II - HAZARDOUS INGREDIENTS

INGREDIENT 643-7-5 S.S. (BASE ONLY)	PERCENT (Wt.)	TLV		LEL	VAPOR PRESSURE mm Hg.
		PPM	mg/M ³		
ESTER SOLVENTS	50-55	100		1.7	2.0
AROMATIC SOLVENTS	< 0.5	100		1.0	7.0

Section III - PHYSICAL DATA

BOILING RANGE 321-381 Deg. F.

VAPOR DENSITY

☒

HEAVIER

☐

LIGHTER THAN AIR

EVAPORATION RATE

☐

FASTER

☒

SLOWER THAN ETHER

PERCENT VOLATILE
BY VOLUME

62%

WEIGHT PER
GALLON

9.3 lbs.

Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY

Flammable

(Min.)
FLASH POINT126 Deg. F. Tag Closed LEL 1.0
Cup

EXTINGUISHING MEDIA

Exclude air - Use foam, CO₂, steam, water-fog,
dry chemicals. Do not use water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapor forms explosive mixture with air between
upper and lower explosion limits.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water, exclude air, use water spray
to cool fire exposed surfaces and to protect
personnel.

Section V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

See Section II

EFFECTS OF OVEREXPOSURE

Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat, and eyes.

EMERGENCY AND FIRST AID PROCEDURES

Skin Exposure: Wash affected area with soap and water.
Eye Exposure: Flush with water for at least 15 minutes, consult physician.
Ingestion: Consult physician immediately.
Inhalation: Remove victim to fresh air, consult physician.

Section VI - REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE

INCOMPATIBILITY (Materials to avoid)

Strong oxidizing agents.

CONDITIONS TO AVOID

Storage at high temperatures

Sparks & open flame.

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO₂, Aldehydes and other organics, oxides of nitrogen.

HAZARDOUS POLYMERIZATION

☐ MAY OCCUR

☒ WILL NOT OCCUR

CONDITIONS TO AVOID

Section VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate sources of ignition and clear fumehood area. Prevent liquid from entering sewers, water courses, or low areas. Keep unnecessary personnel away. Shut off source, if possible to do so without hazard. Contain spilled liquid with sawdust, sand or oil absorbing compound. Wash area with detergent & water. Consult disposal expert & ensure conformity with local regulations.

Section VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

Use approved respiratory protection such as an air-supplied mask if used in non ventilated area.

Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

VENTILATION

Face velocity > 60 fpm in confined area.

PROTECTIVE GLOVES

Chemically resistant gloves

FACE PROTECTION

Chemical splash goggles or face shield

OTHER PROTECTIVE EQUIPMENT

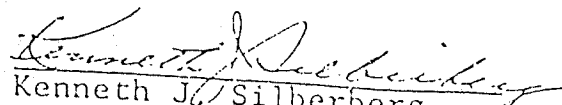
Eye bath & safety shower.

Section IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers closed when not in use. Do not handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied - these containers retain product residues (vapor, liquid, etc.)

All handling equipment should be electrically grounded. Treat as a very flammable liquid.


Kenneth J. Silberberg
Technical Administrative Manager

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Section I

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STREET ADDRESS 20846 So. Normandie Ave. CITY, STATE, AND ZIP CODE Torrance, Ca. 90502
EMERGENCY TELEPHONE NO. (213) 320-6800
PRODUCT CLASS ALIPHATIC ISOCYANATE MANUFACTURERS CODE IDENTIFICATION CA-110
TRADE NAME BOSTIK Curing Solution for 653-2-System, 663-2-System, and 643-7 System. Mix
Ratio: varies with P.U. system involved.

Section II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT (Wt %)	TLV		LEL	VAPOR PRESSURE mm Hg.
		PPM	mg/M ³		
CA-110 CURING SOLUTION					
ESTER SOLVENTS	10-15	100		1.7	2.0
AROMATIC SOLVENTS	15-20	100		1.0	7.0
NOTE: Aliphatic monomer content is less than 0.7% based on resin solids at time of manufacture.					

Section III - PHYSICAL DATA

BOILING RANGE 281-321 Deg. F. VAPOR DENSITY ☒ HEAVIER ☐ LIGHTER THAN AIR
EVAPORATION RATE ☐ FASTER ☒ SLOWER THAN ETHER PERCENT VOLATILE BY VOLUME 38% WEIGHT PER GALLON 8.8 lbs.

Section IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY Flammable (Min.) FLASH POINT 80 Deg. F., Tag Closed LEL 1.0 Cup
EXTINGUISHING MEDIA Exclude air- Use foam, CO₂, steam, water-fog, dry chemicals. Do not use water.
UNUSUAL FIRE AND EXPLOSION HAZARDS Vapor forms explosive mixture with air between upper and lower explosion limits.
SPECIAL FIRE FIGHTING PROCEDURES Do not use water, exclude air, use water spray to cool fire exposed surfaces and to protect personnel.

Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II

EFFECTS OF OVEREXPOSURE Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat, and eyes.

EMERGENCY AND FIRST AID PROCEDURES Skin Exposure: Wash affected area with soap & water.
Eye Exposure: Flush with water for at least 15 minutes, consult physician.
Ingestion: Consult physician immediately.
Inhalation: Remove victim to fresh air, consult physician.

Section VI — REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE

INCOMPATIBILITY (Materials to avoid) Strong oxidizing agents, inorganic acids Storage at high temperatures. Sparks & open flame

HAZARDOUS DECOMPOSITION PRODUCTS By fire, CO, CO₂, Oxides of Nitrogen

Avoid contact with water, alcohols, amines & other compounds which react with isocyanates.

HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID None

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Eliminate sources of ignition and clear fumes from area. Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away. Shut off source, if possible, to do so without hazard. Contain spilled liquid with sawdust or oil absorbing compound. Wash area with detergent & water. Consult disposal expert & ensure conformity with local regulations.

Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Use approved respiratory protection such as an air-supplied mask if used in non ventilated area.

Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

VENTILATION Face Velocity > 60 fpm in confined area.

PROTECTIVE GLOVES Chemically resistant gloves.

EYE PROTECTION Chemical splash goggles or face shield

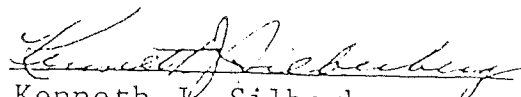
OTHER PROTECTIVE EQUIPMENT Eye bath & safety shower.

Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Material is sensitive to moisture and should be kept in tightly closed containers.

OTHER PRECAUTIONS

All handling equipment should be electrically grounded. Treat as a very flammable liquid.


Kenneth J. Silberberg
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